

Title:

Expression of cell proliferation regulatory factors *bricd5*, *tnfrsf21*, *cdk1* correlates with expression of clock gene *cry1* in testis of Hu rams during puberty

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Supplementary Information

Supplementary Figure S1

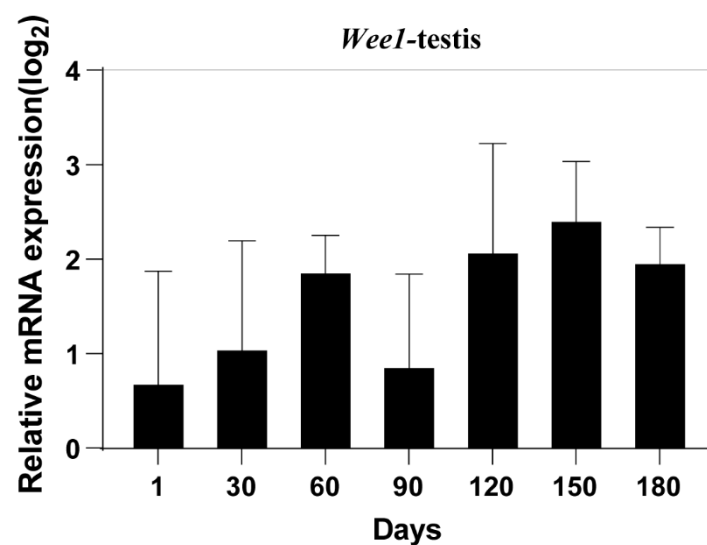


Fig. S1 Genes positively correlated with *cry1* expression measured by real time PCR. The relative expression of *wee1* in sheep testis at 1-180 days are shown

Supplementary Table 1

Supplementary Table 1 Pearson correlation coefficients between the <i>cry1</i> expression and the number of spermatogenic cells					
	Spermatogonia	Primary spermatocytes	Secondary spermatocytes	Spermatid	Sperm
Correlation coefficient	0.69	0.65	0.67	0.622	0.54
P value	0.0005	0.0014	0.0010	0.0026	0.0118

Supplementary Table 2

Supplementary Table 1 transcription factors of the 5' upstream in <i>cry1</i> gene	
Gene stable	Transcription factor
ENSOARG00000019395	ALX3
ENSOARG00000010130	Arid3a
ENSOARG00000020870	Arnt
ENSOARG00000007809	Arntl
ENSOARG00000005990	Barhl1
ENSOARG00000015662	BARHL2
ENSOARG00000007997	BARX1
ENSOARG00000007840	BHLHE40
ENSOARG00000019968	BHLHE41
ENSOARG00000000084	BSX
ENSOARG00000006690	CDX1
ENSOARG00000001458	Dlx1
ENSOARG00000001343	Dlx2
ENSOARG00000005566	Dlx3
ENSOARG00000005572	Dlx4
ENSOARG00000004436	DLX6
ENSOARG00000016470	EGR1
ENSOARG00000018645	ELF5
ENSOARG00000011643	EMX1
ENSOARG00000018550	EMX2
ENSOARG00000006722	EN2
ENSOARG00000000646	ESX1
ENSOARG00000009439	EVX1
ENSOARG00000000124	EVX2
ENSOARG00000001783	FOS
ENSOARG00000000072	FOSL1

ENSOARG00000019483	FOSL2
ENSOARG00000003594	FOXD2
ENSOARG00000004940	FOXG1
ENSOARG00000003151	FOXI1
ENSOARG00000002389	Foxj2
ENSOARG00000011648	FOXL1
ENSOARG00000016065	FOXO4
ENSOARG00000020357	FOXO6
ENSOARG00000001772	FOXP2
ENSOARG00000010278	FOXP3
ENSOARG00000012728	GATA5
ENSOARG00000003345	GBX1
ENSOARG00000019128	GBX2
ENSOARG00000016329	Gfi1
ENSOARG00000005567	Gfi1b
ENSOARG00000014637	HESX1
ENSOARG00000005180	HLTF
ENSOARG00000009842	HOXA2
ENSOARG00000007134	HOXB2
ENSOARG00000007106	HOXB3
ENSOARG00000016331	HOXC10
ENSOARG00000000107	HOXD13
ENSOARG00000018327	ISX
ENSOARG00000010854	JUNB
ENSOARG00000007169	Klf4
ENSOARG00000015505	KLF5
ENSOARG00000012737	LBX2
ENSOARG00000013742	LHX2
ENSOARG00000018191	Lhx4
ENSOARG00000014299	LHX6
ENSOARG00000012587	Lhx8
ENSOARG00000015439	LHX9
ENSOARG00000001916	LIN54
ENSOARG00000011324	LMX1A
ENSOARG00000012619	LMX1B
ENSOARG00000019962	MEIS1
ENSOARG00000011113	MEIS3
ENSOARG00000005754	MEOX1
ENSOARG00000008280	MEOX2
ENSOARG00000020404	MGA
ENSOARG00000009833	Mitf
ENSOARG00000000055	MIXL1
ENSOARG00000012001	Mlxip
ENSOARG00000007388	MSX1

ENSOARG00000004347	MSX2
ENSOARG00000014901	Myb
ENSOARG00000025174	Myod1
ENSOARG00000001036	Myog
ENSOARG00000003591	NFAT5
ENSOARG00000004215	NFATC1
ENSOARG00000014239	NFATC2
ENSOARG00000003342	NFATC3
ENSOARG00000012667	NFIC
ENSOARG00000009535	NFIX
ENSOARG00000004153	Nkx2-5
ENSOARG00000011697	NOTO
ENSOARG00000004714	NRF1
ENSOARG00000020097	OTX1
ENSOARG00000021099	OTX2
ENSOARG00000015552	Pax2
ENSOARG00000001951	PAX4
ENSOARG00000007408	PDX1
ENSOARG00000014667	Pitx1
ENSOARG00000017626	PITX3
ENSOARG00000017381	POU6F1
ENSOARG00000017698	POU6F2
ENSOARG00000008534	Prrx2
ENSOARG00000011721	RAX2
ENSOARG00000010358	RUNX2
ENSOARG00000002613	Shox2
ENSOARG00000013030	SNAI2
ENSOARG00000014774	SOX10
ENSOARG00000020176	Sox17
ENSOARG00000020110	Sox5
ENSOARG00000005819	Sox6
ENSOARG00000016514	SP1
ENSOARG00000000469	SP3
ENSOARG00000005142	TBP
ENSOARG00000016309	TBX4
ENSOARG00000006614	TBX5
ENSOARG00000020872	Tcf12
ENSOARG00000012065	Tcf15
ENSOARG00000016395	TFAP2A
ENSOARG00000012828	TFAP2B
ENSOARG00000018105	TFAP2C
ENSOARG00000001668	TFEC
ENSOARG00000003516	THAP1
ENSOARG00000018096	VAX1

ENSOARG00000011249
ENSOARG00000006926
ENSOARG00000000992
ENSOARG00000004045
ENSOARG00000016661

VAX2
VSX1
VSX2
ZNF354C
ZNF740